

Papers presented at the 11th International Conference on New Trends in Chemistry, April 25-27, 2025, Bologna, Italy

CONTENTS

<i>B. Eren, Y. Yalcin Gurkan</i> , Theoretical examination of paroxetine HCl, the active ingredient of the drug marketed as Paxil, used in antidepressant treatment, using the DFT method...	139
<i>B. Didem Çorbacioğlu, İ. Küçük</i> , Effect of heavy metals in metal plating plant waste sludge on tea plant primary development.....	144
<i>D. Uygunöz, G. Çifçi, Ö. Ozan Demirci, E. Möröydor Derun</i> , Obtaining valuable components from various citrus product wastes by different extraction methods.....	148
<i>C. Kurt, I. Küçük, I. Doymaz</i> , Effect of different drying techniques on the drying characteristics of celery.....	154
<i>S. Özbakiş, A. Aydın, P. Terzioğlu</i> , Investigating the properties of recycled and virgin poly (ethylene terephthalate) textured yarns: Effect of different blending ratios.....	160
<i>T. Sabudak, E. Ozcan</i> , Determination of fatty acids in plant oils by gas chromatography, production and analysis of solid soap from these oils.....	166
<i>G. Serdaroğlu, M. Bolat, D. Ali Köse, Z. Öztemür, N. Karakuş</i> , <i>In silico</i> insight on hyaluronic acid and boron hyaluronate.....	170
<i>G. Serdaroğlu</i> , Computational evaluation of cymenes: substituent group effect, pharmacokinetics, and drug-likeness.....	175
<i>R. Ozdemir, D. Unlu</i> , Improved biobutanol recovery through mixed-matrix PVDF membrane with hydrophobic MAF-6 as filler.....	181
<i>M. E. Biltekin, B. Gurkan, Y. Yalcin Gurkan</i> , DFT-based theoretical investigation of hydroxyl radical-induced degradation mechanisms of antineoplastic drugs in aqueous media.....	185
<i>S. Karagöz, H. K. Gürakin, D. Şakar</i> , Treatment of lab-scale factory wastewater including disperse orange 30 dye with low cost H ₂ SO ₄ -activated rubber particle adsorbent obtained from waste tyre.....	189
<i>K. Topaç, H. K. Gürakin, D. Şakar</i> , Disperse orange 30 dye removal with H ₂ SO ₄ -functionalized activated carbon: adsorption isotherms and kinetics.....	193
<i>M. D. Evcimen, Ö. Yaşa Şahin</i> , Farma-Bant: obtaining a wound covering membrane from <i>Calendula Officinalis</i> , <i>Centella Asiatica</i> and <i>Carthamus Tinctorius</i> plant extract mixtures.....	198
<i>S. Simsek, E. Akyol, I. Kucuk</i> , Development of a high-performance liquid chromatography (HPLC) method for coumarin quantification in medicinal plants extracted <i>via</i> Soxhlet.....	202
<i>B. Gupta, Nikita, A. Rolaniya, A. Yadav, P. Jain, R. Sailani</i> , Unraveling the mechanism of ruthenium (III)-catalyzed aspirin oxidation by hexacyanoferrate(III): kinetic and spectrophotometric approach.....	206
<i>Z. Ö. Ozyalcin, A. S. Kipcak</i> , Freeze-drying of squid: a study to investigate the effect of different pre-treatments.....	213
<i>Ö. Ipsalalı, F. Uğur Nigiz</i> , Evaluation of smart packaging functions of black carrot extract with polysaccharide-based films.....	218
<i>Ö. Ipsalalı, F. Uğur Nigiz</i> , Green tea-boron nitride incorporated pumpkin pectin-alginate food packaging film preparation and characterization.....	224
<i>S. Kahraman, A. Katirci, F. Uğur Nigiz</i> , Fabrication and filtration of gum arabic doped electrospun PLA membrane for rejection of gray water pollutants	229
<i>B. Sahk, A. Tan, E. Kıpçak</i> , Infrared drying of aronia berries: the effect of sustainable pretreatments on drying behavior.....	235
<i>G. Özdemir, D. Erkoyuncu, A. Kantürk Figen</i> , Application of gas foaming technique for improving porous properties of chitosan-polyvinyl alcohol (CS/PVA) nanofiber-based biodegradable scaffolds.....	245

<i>Y. Byzova, A. Dyuryagina, K. Ostrovnoy, T. Shirina</i> , The effect of modifiers on the microstructure of road bitumen and strength of asphalt concrete: a mini-review.....	249
<i>Z. O. Ozyalcin, A. S. Kipcak</i> , Blanching and osmotic dehydration effects on lyophilized shrimp.....	252
<i>INSTRUCTIONS TO AUTHORS</i>	258